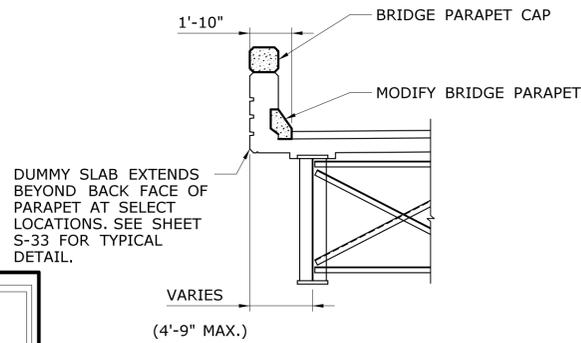


QUANTITIES		
ITEM	UNIT	TOTAL
BIRD SPIKE	LF	3366
REMOVE DIRT & DEBRIS	LS	1
SURFACE PATCH (TEMPORARY)	SF	880
JACKING FOR BEARING REPLACEMENT	EA	54
CLEAN EXISTING SCUPPERS	EA	15
MODIFY SCUPPER	EA	15
EXTEND EXISTING WEEPHOLES	EA	10
REMOVAL OF EXISTING BRIDGE DRAINAGE SYSTEM	LS	1
8" PIPE FOR BRIDGE DRAINAGE- (FIBERGLASS)	LF	30
ELASTOMERIC CONCRETE HEADERS	CF	103
ASPHALTIC PLUG EXPANSION JOINT SYSTEM	CF	58
PREFORMED JOINT SEAL	LF	553
BEARING REPLACEMENT WITH ELASTOMERIC BEARING PADS	EA	54
MODIFY BRIDGE PARAPET	LF	2050
BRIDGE PARAPET CAP	LF	2725
CLASS "S" CONCRETE	CY	20
CLASS "F" CONCRETE	CY	28
FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)	CY	175
PARTIAL DEPTH PATCH	CF	5680
EPOXY INJECTION CRACK REPAIR	LF	101
DEFORMED STEEL BARS	LB	3000
DOWEL BAR SPLICER SYSTEM	EA	200
DRILLING HOLES AND GROUTING DOWELS	EA	365
CLEAN AND COAT EXPOSED REINFORCING STEEL	LF	13725
STRUCTURAL STEEL REPAIRS (SITE NO. 2)	CWT	563
TEMPORARY SUPPORT ASSEMBLY	EA	54
ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 2)	LS	1
REPAIR DAMAGED GIRDER	LS	1
CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE #2)	LS	1
EMBEDDED GALVANIC ANODES	EA	285
LOCALIZED PAINT REMOVAL & FIELD PAINTING OF EXISTING STEEL	SF	950
MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	SY	8700

QUANTITIES		
ITEM	UNIT	TOTAL
RESET CONCRETE CURBING	LF	40
PROTECTIVE COMPOUND FOR BRIDGES	SY	85
REMOVAL OF EXISTING METAL BRIDGE RAIL	LF	710
CONCRETE HAUNCH REMOVAL	LF	1530
TRENCHING AND BACKFILLING	FF LF	50
LIGHT STANDARD ANCHORAGE	EA	5
REMOVE AND REINSTALL LIGHT STANDARD	EA	5
UNDERBRIDGE LUMINAIRE - LED (PENDANT MOUNTED)	EA	4
REMOVE UNDERBRIDGE LUMINAIRE	EA	4
2" FIBERGLASS CONDUIT - SURFACE MOUNTED	EA	1600
2" FIBERGLASS CONDUIT IN TRENCH	EA	50
REMOVE CONDUIT	LF	250
16"X14"X6" NEMA 4X NON-METALLIC JUNCTION BOX	LF	7
NO. 2 SINGLE CONDUCTOR	LF	5300
1/2" LIQUID TIGHT FLEXIBLE METAL CONDUIT	EA	30
NO. 8 BARE COPPER GROUNDING CONDUCTOR	LF	1800
REMOVAL OF EXISTING EQUIPMENT	LF	1
PARAPET MOUNTED SIGN SUPPORT	EA LF	1

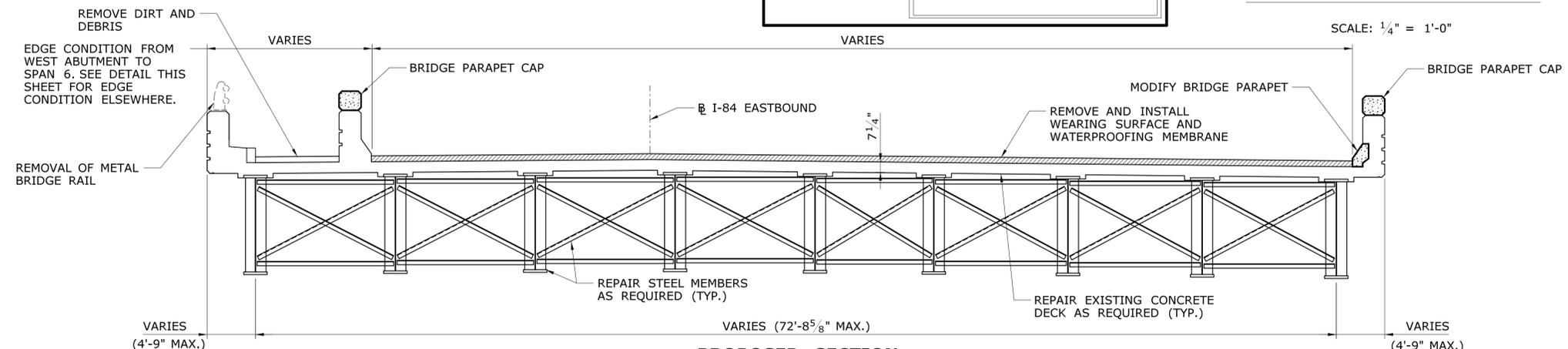
CONCRETE DISTRIBUTION		
SUPERSTRUCTURE	C.Y.	394
SUBSTRUCTURE	C.Y.	40
TOTAL	C.Y.	434

INSPECTION OF FIELD WELDS		
METHOD	UNIT	QUANTITY
ULTRASONIC (UT)	L.F.	--
MAGNETIC PARTICLE (MT)	L.F.	210



**BARRIER CONDITION
SPAN 6 - EAST ABUTMENT**

SCALE: 1/4" = 1'-0"



**PROPOSED SECTION
SCALE: 1/4" = 1'-0"**

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (CONNDOT FORM 816, 2004), SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 2016, AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2012 6TH EDITION AND AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003) WITH REVISIONS DATED 2011.

BASIC ALLOWABLE DESIGN STRESSES:
 CLASS 'F' CONCRETE BASED ON $f_c = 4,000$ PSI
 CLASS 'S' CONCRETE BASED ON $f_c = 3,000$ PSI
 REINFORCEMENT (ASTM A615 GRADE 60) $f_y = 60,000$ PSI
 STRUCTURAL STEEL (ASTM A709, GRADE 50 T2) $f_y = 50,000$ PSI

THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, f_c , OF CONCRETE COMPONENTS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF "SECTION 6.01 CONCRETE FOR STRUCTURES".

LIVE LOAD: HL-93

FUTURE PAVING ALLOWANCE: NONE

STRUCTURAL STEEL: SEE DWG. NO. S-15 AND S-16 FOR EXISTING DESIGNATIONS AND REQUIREMENTS. SEE DWG. S-17 FOR NEW STRUCTURAL STEEL DESIGNATIONS AND REQUIREMENTS.

PAINT: PAINT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIAL PROVISIONS, "ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 2)." THE COLOR OF THE TOPCOAT MATERIAL ON THE STRUCTURAL STEEL SHALL CONFORM TO FEDERAL STANDARD COLOR NO. 25240 (BLUE GREY).

PAINTING LIMITS: SEE DWG. NO. S-38 FOR PAINTING LIMITS AND CONTAINMENT DETAILS.

BITUMINOUS CONCRETE OVERLAY: PROPOSED WEARING SURFACE SHALL CONSIST OF TWO (2) LIFTS. THE FIRST SHALL BE PMA S0.25 (1" THICK). THE SECOND SHALL BE PMA S0.5 (1.5" THICK). PAVEMENT THICKNESS SHALL BE TAPERED AT ENDS TO MATCH PAVEMENT THICKNESS AT CONSTRUCTION LIMITS. SEE HIGHWAY PLANS.

DIMENSIONS: WHEN DECIMALS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED ZEROES.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL BE INDICATED ON THE DRAWINGS AND SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

ELEVATIONS: ELEVATIONS SHOWN ARE TAKEN FROM THE ORIGINAL CONTRACT PLAN DRAWINGS UNLESS NOTED OTHERWISE.

TRAFFIC: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISIONS, "MAINTENANCE AND PROTECTION OF TRAFFIC" AND "PROSECUTION AND PROGRESS" AND CONSTRUCTION STAGES SHOWN ON THE PLANS.

UTILITIES: THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL UTILITIES WITHIN THE PROJECT LIMITS PRIOR TO THE START OF CONSTRUCTION AND SHALL TAKE NECESSARY PRECAUTIONS WHEN WORKING NEAR UTILITIES SO AS TO NOT DISTURB THEM OR PLACE ANY LOAD OR EQUIPMENT ON THEM. ALL UTILITY COMPANIES SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK AFFECTING CABLES, CONDUITS, OR OTHER UTILITIES.

EXISTING PLANS: INFORMATION PERTAINING TO THE EXISTING STRUCTURE IS BASED ON EXISTING PLANS, WHICH ARE AVAILABLE FOR INSPECTION AT THE CONNECTICUT DEPARTMENT OF TRANSPORTATION PLANS OFFICE, 160 PASCOE PLACE, NEWINGTON, CT. USE OF EXISTING PLANS IS AT THE CONTRACTOR'S RISK. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS, DIMENSIONS AND ELEVATIONS WHICH CAN AFFECT THE SATISFACTORY COMPLETION OF THE PROPOSED WORK. SUCH FIELD VERIFICATION SHALL BE PERFORMED BEFORE SHOP DRAWINGS ARE SUBMITTED.

CONCRETE NOTES:

CLASS "F" CONCRETE: CLASS "F" CONCRETE SHALL BE USED FOR KEEPER BLOCKS, PEDESTAL REPLACEMENT, AND PARAPET MODIFICATIONS AND TRANSITIONS.

CLASS "S" CONCRETE: CLASS "S" CONCRETE SHALL BE USED FOR PATCHING SUBSTRUCTURE COMPONENTS.

DECK REPAIRS: FULL DEPTH PATCHING (AS REQUIRED) AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISION "FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)". PARTIAL DEPTH PATCHING (AS REQUIRED) AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISION "PARTIAL DEPTH PATCH".

JOINT SEAL: SEE SPECIAL PROVISIONS AND SHEETS S-29 AND S-30.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" X 1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.

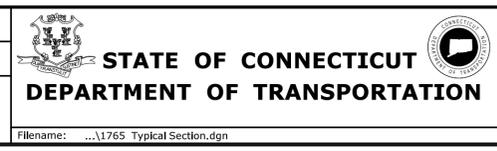
CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	9/29/16	QUANTITY TABLE UNITS REVISED	02.04.03

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: **MSF**
 CHECKED BY: **BSH**
 SCALE AS NOTED



SIGNATURE/BLOCK: **Hardesty & Hanover, LLC**
 59 Elm Street
 New Haven, CT 06510

PROJECT TITLE: **REHABILITATION OF BRIDGE NO. 01765 I-84 EASTBOUND OVER AMTRAK AND LOCAL ROADS**

TOWN: **HARTFORD**
 DRAWING TITLE: **TYPICAL SECTION AND NOTES**

PROJECT NO. **63-700**
 DRAWING NO. **S-03**
 SHEET NO. **02.04.03.A1**